

# **FUEL REPORT**



Component **Diesel Fuel** 

No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)

# Sample Rating Trend



## **DIAGNOSIS**

### Recommendation

We advise that you check for the source of water entry. We advise that you filter this fluid before use. We recommend an early resample to monitor this condition.

### Corrosion

{not applicable}

### Contaminants

There is a light concentration of water present in the fuel. There is no bacteria or fungus (yeast and/or mold) present in the sample. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

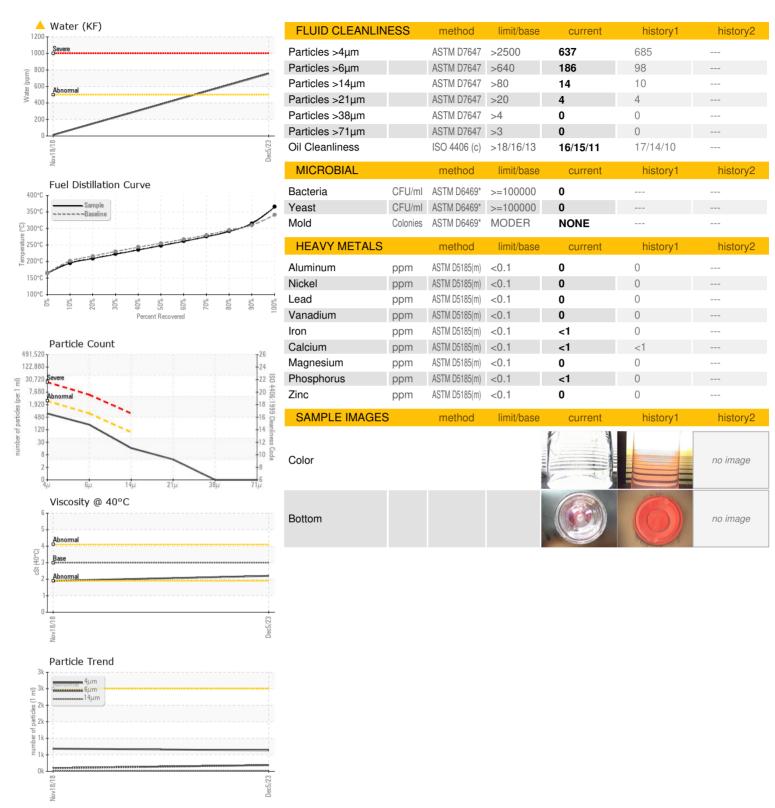
### **Fuel Condition**

The fuel is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

AL)			Nov2018	Dec2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU0020738	CU	
Sample Date		Client Info		05 Dec 2023	18 Nov 2018	
Machine Age	kms	Client Info		0	0	
Sample Status				ABNORMAL	NORMAL	
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*	0.839	0.831	0.821	
Fuel Color	text	Visual Screen*	Yllow	Red	Pink	
Visc @ 40°C	cSt	ASTM D7279(m)	3.0	2.2	1.9	
Pensky-Martens Flash Point	°C	ASTM D7215*	52	54.5	52	
SULFUR CONTEN	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	250	16	41	
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	165	164	158	
5% Distillation Point	°C	ASTM D2887*		186	179	
10% Distill Point	°C	ASTM D2887*	201	195	186	
15% Distillation Point	°C	ASTM D2887*		202	192	
20% Distill Point	°C	ASTM D2887*	216	209	198	
30% Distill Point	°C	ASTM D2887*	230	222	210	
40% Distill Point	°C	ASTM D2887*	243	235	222	
50% Distill Point	°C	ASTM D2887*	255	248	234	
60% Distill Point	°C	ASTM D2887*	267	261	247	
70% Distill Point	°C	ASTM D2887*	280	275	261	
80% Distill Point	°C	ASTM D2887*	295	291	277	
85% Distillation Point	°C	ASTM D2887*		303	287	
90% Distill Point	°C	ASTM D2887*	310	315	299	
95% Distillation Point	°C	ASTM D2887*		336	317	
Final Boiling Point	°C	ASTM D2887*	341	365	331	
Distillation Residue	%	ASTM D86(e)*	3.0		1.3	
Distillation Loss	%	ASTM D86(e)*	3.0		0.8	
IGNITION QUALIT	Υ	method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	37.7	38	40.9	
Cetane Index		ASTM D4737*	<40.0	49	49.0	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	0	
Sodium	ppm	ASTM D5185(m)	<0.1	0	<1	
Potassium	ppm	ASTM D5185(m)	<0.1	<1	0	
Water	%	ASTM D6304*	< 0.05	<u> </u>	0.001	
ppm Water	ppm	ASTM D6304*	<500	<b>^</b> 756	13.0	



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CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: CU0020738

: 02603348 : 5696433

Recieved : 14 Dec 2023 Diagnosed : 27 Dec 2023 Diagnostician : Kevin Marson

**CUMMINS EASTERN CANADA LP** 3189 SWANSEA CRESCENT OTTAWA, ON **CA K1G 3W5** 

Test Package : FUEL (Additional Tests: BACTERIA, CC Flash, GC-PercFuel, PrtCount) To discuss this sample report, contact Customer Service at 1-800-268-2131.

cindy.harrison@cummins.com T: (613)736-1146

Contact: Cindy Harrison

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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